3.2.2 Ecological Priorities within each Ecological Landscape

Many different factors and processes can be used to identify ecological priorities for implementing conservation actions. For example, at an Ecological Landscape scale, priorities could be established by evaluating what actions are most easily accomplished, what actions best fit a site's capability, which actions would combine the efforts of multiple partners, or which actions address the needs of the rarest, most imperiled species in an area of the state. Different groups will identify priorities using different criteria based on their particular interests.

In the following section, ecological priorities (at a landscape scale) are identified by evaluating three components: species' distributions; their associations with habitats (natural communities); and the importance that the Ecological Landscape plays in a given natural community's management. These three components were evaluated to see where all were maximized at the same time.

As was described in Section 2.2, Ecological Landscapes are comprised of mosaics of natural communities and other land cover types (e.g., urban and agriculture). For any given natural community, some landscapes represent major opportunities for management and restoration, and others are less important. Similarly, in addition to a species' degree of probability of occurring in an Ecological Landscape, species have different levels of association with different natural communities. For example, Franklin's Ground Squirrels are significantly associated with oak barrens and pine barrens, but are moderately associated with dry-mesic prairies. More about Species of Greatest Conservation Need's habitat associations is covered in Section 3.3.

Given this "triangle" of the three combinations of species-natural community-Ecological Landscape interactions, it is possible to identify those combinations for each Ecological Landscape that potentially represent the best opportunities (e.g., from a capability, opportunity, or ecological potential perspective) to manage, protect, restore, and/or sustain Species of Greatest Conservation Need in specific natural communities. That is, those high priority situations where *all* of the following are true:

- There is a **high** or **moderate** degree of probability that the Species of Greatest Conservation Need occurs in manageable numbers in the Ecological Landscape, *AND*
- The Species of Greatest Conservation Need is **significantly** or **moderately** associated with the natural community, *AND*
- The Ecological Landscape represents a **major** opportunity to manage or sustain that natural community.

Because this analysis incorporated statewide characteristics that are independent of one another, there is not an even distribution of these high priority combinations across the Ecological Landscapes. Although it did not happen, it was possible that one or more Ecological Landscapes could have had no "species-natural community-Ecological Landscape" combinations meet all three of these criteria. As it turned out, the Southern Lake Michigan Coastal had the fewest "high scoring" combinations, while the Western Coulee and Ridges had the most. There are, of course, many factors that influence this wide range, including size of the landscape, current and past land uses, diversity of habitats and patch sizes.

Tables 3-25 to 3-40, Ecological priority habitat-species opportunities within Ecological Landscapes, present the high scoring "species-natural community-Ecological Landscape" combinations. The following list identifies the page on which each set of combinations appear, presented by Ecological Landscape: Superior Coastal Plain (3-328), Northwest Lowlands (3-331), Northwest Sands (3-333), North Central Forest (3-337), Northern Highland (3-342), Forest Transition (3-345), Northeast Sands (3-347), Northern Lake Michigan Coastal (3-349), Central Lake Michigan Coastal (3-352), Western Prairie (3-354), Western Coulee and Ridges (3-357), Southwest Savanna (3-366), Central Sand Plains (3-369), Central Sand Hills (3-373), Southeast Glacial Plain (3-376), and Southern Lake Michigan Coastal (3-384). The third column of each table is organized by vertebrate taxa group (birds, fish, herptiles, and

mammals). If a taxa group is not listed, then no Species of Greatest Conservation Need in that taxa group met the criteria. When interpreting and using the information presented in these tables, it will be imperative for readers to consider the following issues:

- 1. Groups of species with similar needs. Readers are encouraged to use these lists simply as starting points in planning and implementing various conservation efforts. For example, projects focused on a particular species-natural community-ecological landscape combination may be able to incorporate the needs of many other Species of Greatest Conservation Need species (as well as those species that are not rare or declining) that also occur in that natural community in the Ecological Landscape.
- 2. Potential compatibility issues. In some cases, although the high-scoring Species of Greatest Conservation Need listed together within a natural community are all significantly or moderately associated with that natural community, they may have different management needs, may use the habitat at different times of the year, or at different life stages. At times, managing for one or several Species of Greatest Conservation Need may conflict with other Species of Greatest Conservation Need. This is not to be unexpected and ecologists and land managers have long wrestled with how best to balance species' management needs.
- 3. Species of Greatest Conservation Need that fall through the "coarse filter" (that is they have no high scoring combinations at the landscape level). Seven (7) out of the 152 vertebrate Species of Greatest Conservation Need do not meet all the criteria listed above and thus do not appear in any of the ecological priority habitat-species opportunities by Ecological Landscape tables presented in the following section. Generally speaking, these species tend to be associated with natural communities in areas of the state that do not represent the best opportunities to manage for those communities, or there is only a moderate probability that they occur in manageable numbers within an Ecological Landscape. As readers will see in Table 3-23, most of these species have a low or very low relative abundance in Wisconsin compared to the rest of their range. See Section 3.1 for further discussion on the relative abundance of species.

The Department and its partners will need to ensure that adequate conservation actions are implemented at "finer scales" (both the natural community and species levels) to meet the needs of those species that are not well represented in this Ecological Landscape scale assessment.

Table 3-23. Vertebrate Species of Greatest Conservation Need with no high scoring "natural community-Ecological Landscape" combinations

	Vertebrate Species of Greatest Conservation Need with no high scoring combinations at the landscape scale				
	Species with high relative abundance in WI compared with the rest of their range	Species with moderate to low relative abundance in WI compared with the rest of their range	Species with very low relative abundance in WI compared		
Mammals					
Birds		American Black Duck	Barn Owl		
			Kirtland's Warbler		
Herptiles			Western Ribbon Snake		
Fishes			American Eel		
			Skipjack Herring		
			Striped Shiner		

4. Species of Greatest Conservation Need with only a limited number (4 or fewer) of high scoring natural community-ecological landscape combinations. Some Species of Greatest Conservation Need have high-scoring "natural community-Ecological Landscape" combinations only a few times. For example, Kentucky Warbler only shows up in the following tables three times (in the Western Coulee and Ridges in floodplain forest, dry-mesic forests, and mesic forests). Similarly, Boreal Chickadee is a high priority only three times (in northern wet forests in the Northwest Lowlands, North Central Forest, and Northern Highland). Species with four or fewer high scoring natural community-Ecological Landscape combination scores are listed in the table below, arranged by their relative abundance in Wisconsin.

Table 3-24. Vertebrate Species of Greatest Conservation Need with only a limited number of high

scoring "natural community-Ecological Landscape" combinations

	Species of Greatest Conservation Need with 4 or fewer high scoring				
	combinations at the landscape scale				
	Species with high relative abundance in WI compared with the rest of their range	Species with moderate to low relative abundance in WI compared with the rest of their range	Species with very low relative abundance in WI compared with the rest of their range		
Mammals		American Marten	White-tailed Jackrabbit		
Birds		Greater Prairie-Chicken	Snowy Egret		
		Nelson's Sharp-tailed Sparrow	Yellow-throated Warbler		
		Red-necked Grebe			
		Worm-eating Warbler			
		Boreal Chickadee			
		Kentucky Warbler			
		Wilson's Phalarope			
		King Rail			
		Spruce Grouse			
		Caspian Tern			
Herptiles		Midland Smooth Softshell Turtle	Western Worm Snake		
		Northern Ribbon Snake			
Fishes	Kiyi	Lake Chubsucker	Goldeye		
	Shortjaw Cisco	Black Redhorse	Bluntnose Darter		
	Blue Sucker	Gravel Chub	Pallid Shiner		
	Crystal Darter	Paddlefish			
		Shoal Chub (Speckled Chub)			
		Slender Madtom			
		Ozark Minnow			
		Black Buffalo			

Readers are encouraged to note those infrequent situations where these Species of Greatest Conservation Need do occur because these natural community-landscape combinations may represent their best opportunities for management and recovery in the state. In the following tables, species that with four or fewer high scoring "species-natural community-Ecological Landscape" combinations are *italicized* in the individual Ecological Landscape tables below.

5. Invertebrate Species of Greatest Conservation Need. As discussed in Section 8, due to a number of issues invertebrates are not necessarily associated with the natural communities used in this report. Further, the range and distribution for many invertebrates are not well correlated with the Ecological

Landscapes used in the report. As a result, invertebrate Species of Greatest Conservation Need are not listed in the tables in this section. Readers are encouraged to reference the material in Section 8 for further discussion of habitat associations and distributions of invertebrate Species of Greatest Conservation Need and how their needs could be incorporated into the high scoring vertebrate "species-natural community-Ecological Landscape" combinations.

- **6.** Natural Communities that do not harbor any vertebrate Species of Greatest Conservation Need A few natural communities that are "major" opportunities within an Ecological Landscape do not harbor any vertebrate Species of Greatest Conservation Need that have a high scoring "species-natural community-Ecological Landscape" combinations. These communities (dry and moist cliffs, Great Lakes rockshore, and algific talus slopes) tend to occupy small areas, both historically and currently. These natural communities can be *very important* for many rare invertebrates and plants.
- 7. Vertebrate Species of Greatest Conservation Need listed multiple times as priorities. Readers will also see in the following pages that some species meet the "species-natural community-Ecological Landscape" priority combinations many times. For example, Wood Turtle is listed 79 times in the following tables. These species tend to be associated with many habitats and occur in many regions of the state.

Table 3-25. Ecological Priority habitat-species opportunities within the Superior Coastal Plain

Community	Natural Communities that are Major		t Conservation Need
Group	Opportunities in the Superior	Determined to be high priority based on their	
	Coastal Plain Ecological Landscape	· · · · · · · · · · · · · · · · · · ·	pe combination scores
Northern	Boreal Forest	Birds (5)	Mammals (9)
Forest		Black-backed Woodpecker	Water Shrew
		Olive-sided Flycatcher	Silver-haired Bat
		Least Flycatcher	Eastern Red Bat
		Veery	Hoary Bat
		Canada Warbler	Northern Flying Squirrel
			Woodland Jumping Mouse
		Herptiles (1)	Gray Wolf
		Four-toed Salamander	American Marten
			Moose
Barrens	Great Lakes Barrens	Herptiles (1)	Mammals (1)
		Wood Turtle	Northern Flying Squirrel
Wetlands	Emergent Aquatic	Birds (14)	Herptiles (4)
		American Bittern	Four-toed Salamander
		Trumpeter Swan	Boreal Chorus Frog
		Blue-winged Teal	Pickerel Frog
		American Golden Plover	Mink Frog
		Solitary Sandpiper	
		Whimbrel	Mammals (5)
		Hudsonian Godwit	Northern Long-eared Bat
		Marbled Godwit	Silver-haired Bat
		Dunlin	Eastern Red Bat
		Buff-breasted Sandpiper	Hoary Bat
		Short-billed Dowitcher Common Tern	Moose
		Black Tern	
		Rusty Blackbird	
	Emergent Aquatic-Wild Rice	Birds (5)	Herptiles (1)
	Zmorgoni / iqualio / vma / ilio	Trumpeter Swan	Mink Frog
		Blue-winged Teal	
		Canvasback	
		Lesser Scaup	
		Black Tern	
	Great Lakes Coastal Fen	Birds (3)	Mammals (3)
		Trumpeter Swan	Eastern Red Bat
		Yellow Rail	Hoary Bat
		Le Conte's Sparrow	Silver-haired Bat
		Herptiles (3)	
		Four-toed Salamander	
		Boreal Chorus Frog	
		Pickerel Frog	
	Interdunal Wetland	Birds (1)	Herptiles (1)
		Solitary Sandpiper	Boreal Chorus Frog

			Table 3-25 continued	
Community	Natural Communities that are Major	Species of Greatest Conservation Need		
Group	Opportunities in the Superior	determined to be high priority based on their Community-Landscape combination scores		
\\/atland	Coastal Plain Ecological Landscape		-	
Wetland	Open Bog	Birds (9)	Herptiles (4)	
(cont.)		American Bittern Northern Harrier	Four-toed Salamander	
			Boreal Chorus Frog	
		Yellow Rail	Pickerel Frog	
		Solitary Sandpiper Olive-sided Flycatcher	Mink Frog	
		Golden-winged Warbler	Mammals (6)	
		Le Conte's Sparrow	Northern Long-eared Bat	
		Bobolink	Silver-haired Bat	
		Rusty Blackbird	Eastern Red Bat	
		l lackbild	Hoary Bat	
			Gray Wolf	
			Moose	
		D'. (. (0)		
	Submergent Aquatic	Birds (6)	Herptiles (3)	
		Trumpeter Swan	Pickerel Frog	
		Blue-winged Teal	Mink Frog	
		Canvasback	Wood Turtle	
		Lesser Scaup		
		Bald Eagle	Mammals (5)	
		Black Tern	Northern Long-eared Bat	
			Silver-haired Bat	
			Eastern Red Bat	
			Hoary Bat	
			Moose	
Miscellaneous	Dry Cliff	Birds (1)		
Communities	ĺ	Peregrine Falcon		
	Great Lakes Beach	Birds (1)		
	Groat Lakes Bodon	Piping Plover		
		Whimbrel		
		Dunlin		
		Common Tern		
	One at Labora Division		Manage 15 (4)	
	Great Lakes Dune	Birds (1)	Mammals (1)	
		Piping Plover	Franklin's Ground Squirrel	
	Moist Cliff	None identified		
Aquatic	Coldwater streams	Birds (1)	Mammals (5)	
		Solitary Sandpiper	Water Shrew	
			Northern Long-eared Bat	
		Herptiles (5)	Silver-haired Bat	
		Four-toed Salamander	Eastern Red Bat	
		Mudpuppy	Hoary Bat	
		Pickerel Frog	-	
		Mink Frog		
		Wood Turtle		

Table 3-25 continued

Community Group	Natural Communities that are Major Opportunities in the Superior Coastal Plain Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Coolwater streams	Birds (1)	Mammals (5)
(cont.)		Solitary Sandpiper	Water Shrew
			Northern Long-eared Bat
		Herptiles (4)	Silver-haired Bat
		Four-toed Salamander	Eastern Red Bat
		Pickerel Frog	Hoary Bat
		Mink Frog	
		Wood Turtle	
	Lake Superior	Birds (3)	Herptiles (1)
		Horned Grebe	Mudpuppy
		Bald Eagle	
		Common Tern	
		Fish (3)	
		Lake Sturgeon	
		Kiyi	
		Shortjaw Cisco	
	Warmwater streams	Birds (1)	Mammals (6)
		Solitary Sandpiper	Water Shrew
			Northern Long-eared Bat
		Herptiles (3)	Silver-haired Bat
		Pickerel Frog	Eastern Red Bat
		Mink Frog	Hoary Bat
		Wood Turtle	Moose

Table 3-26. Ecological Priority habitat-species opportunities within the Northwest Lowlands

Community	cological Priority habitat-species oppo		Conservation Need
Group	Opportunities in the Northwest	•	priority based on their
Group	Lowlands Ecological Landscape	Community-Landscape combination scores	
Northern	Northern Wet Forest	Birds (7)	Mammals (8)
Forest	Northern Wet Forest	Black-backed Woodpecker	Water Shrew
1 01031		Olive-sided Flycatcher	Silver-haired Bat
		Boreal Chickadee	Eastern Red Bat
		Veery	Hoary Bat
		Golden-winged Warbler	Northern Flying Squirrel
		Connecticut Warbler	Woodland Jumping Mouse
		Canada Warbler	Gray Wolf
		Canada Warbier	Moose
		Herptiles (3)	WOOSC
		Four-toed Salamander	
		Pickerel Frog	
		Wood Turtle	
\\/atland	Northorn Codgo Moodow	Birds (6)	Mammala (E)
Wetland	Northern Sedge Meadow	American Bittern	Mammals (5) Northern Long-eared Bat
			Silver-haired Bat
		Blue-winged Teal Northern Harrier	
		Black Tern	Eastern Red Bat
			Hoary Bat Moose
		Le Conte's Sparrow Bobolink	Woose
		BODOIITIK	
		Herptiles (5)	
		Four-toed Salamander	
		Boreal Chorus Frog	
		Pickerel Frog	
		Mink Frog	
		Wood Turtle	
	Open Bog	Birds (9)	Herptiles (4)
	Орен вод	American Bittern	Four-toed Salamander
		Northern Harrier	Boreal Chorus Frog
		Solitary Sandpiper	Pickerel Frog
		Olive-sided Flycatcher	Mink Frog
		Golden-winged Warbler	WIIIIK I 10g
		Connecticut Warbler	Mammals (6)
		Le Conte's Sparrow	Northern Long-eared Bat
		Bobolink	Silver-haired Bat
		Rusty Blackbird	Eastern Red Bat
		Tracty Diagrams	Hoary Bat
			Gray Wolf
			-
			Moose

Table 3-26 continued

Community Group	Natural Communities that are Major Opportunities in the Northwest Lowlands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Warmwater rivers	Birds (1) Osprey Fish (5) Lake Sturgeon River Redhorse Greater Redhorse Longear Sunfish Gilt Darter	Herptiles (4) Mudpuppy Pickerel Frog Mink Frog Wood Turtle Mammals (5) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose

Table 3-27. Ecological Priority habitat-species opportunities within the Northwest Sands

Community	Natural Communities that are Major		Conservation Need
Group	Opportunities in the Northwest		priority based on their
	Sands Ecological Landscape	Community-Landscap	e combination scores
Northern	Northern Dry Forest	Birds (6)	Herptiles (1)
Forest		Whip-poor-will	Northern Prairie Skink
		Black-backed Woodpecker	
		Least Flycatcher	Mammals (2)
		Golden-winged Warbler	Northern Flying Squirrel
		Connecticut Warbler	Gray Wolf
		Red Crossbill	
	Northern Dry-Mesic Forest	Birds (8)	Herptiles (1)
		Northern Goshawk	Praire Skink
		Red-shouldered Hawk	
		Whip-poor-will	Mammals (2)
		Least Flycatcher	Northern Flying Squirrel
		Veery	Gray Wolf
		Golden-winged Warbler	
		Canada Warbler	
		Red Crossbill	
	Northern Wet Forest	Birds (6)	Herptiles (3)
		Black-backed Woodpecker	Four-toed Salamander
		Olive-sided Flycatcher	Pickerel Frog
		Veery	Wood Turtle
		Golden-winged Warbler	
		Connecticut Warbler	Mammals (4)
		Canada Warbler	Water Shrew
			Northern Flying Squirrel
			Woodland Jumping Mouse
	D: D	D' 1 (40)	Gray Wolf
Barrens	Pine Barrens	Birds (10)	Herptiles (5)
		Northern Harrier	Boreal Chorus Frog
		Sharp-tailed Grouse	Wood Turtle
		Upland Sandpiper	Blanding's Turtle
		Whip-poor-will Black-billed Cuckoo	Northern Prairie Skink Bullsnake
		Brown Thrasher	DuilStiake
		Connecticut Warbler	Mammala (2)
		Field Sparrow	Mammals (2) Franklin's Ground Squirrel
		Vesper Sparrow	Gray Wolf
		Red Crossbill	Gray Woll
		Keu Crossbiii	

Table 3-27 continued

Community	Natural Communities that are Major	r Species of Greatest Conservation Need		
Group	Opportunities in the Northwest	determined to be high priority based on their		
J. Gup	Sands Ecological Landscape	_	pe combination scores	
Grassland	Surrogate Grasslands	Birds (12)	Mammals (1)	
Gradolaria	Currogate Gradelande	Blue-winged Teal	Franklin's Ground Squirrel	
		Northern Harrier	Trankiir 3 Ground Oquirer	
		Sharp-tailed Grouse		
		American Golden Plover		
		Upland Sandpiper		
		Marbled Godwit		
		Brown Thrasher		
		Field Sparrow		
		Grasshopper Sparrow Le Conte's Sparrow		
		Bobolink		
		Eastern Meadowlark		
10/ (1 1				
Wetland	Emergent Aquatic	Birds (13)	Herptiles (5)	
		Red-necked Grebe	Four-toed Salamander	
		American Bittern	Boreal Chorus Frog	
		Trumpeter Swan	Pickerel Frog	
		Blue-winged Teal	Mink Frog	
		American Golden Plover	Blanding's Turtle	
		Solitary Sandpiper		
		Hudsonian Godwit		
		Marbled Godwit		
		Dunlin		
		Short-billed Dowitcher		
		Wilson's Phalarope		
		Black Tern		
		Rusty Blackbird		
	Emergent Aquatic-Wild Rice	Birds (5)	Herptiles (2)	
		Trumpeter Swan	Mink Frog	
		Blue-winged Teal	Blanding's Turtle	
		Canvasback		
		Lesser Scaup		
		Black Tern		
	Northern Sedge Meadow	Birds (10)	Herptiles (6)	
		American Bittern	Four-toed Salamander	
		Blue-winged Teal	Boreal Chorus Frog	
		Northern Harrier	Pickerel Frog	
		Sharp-tailed Grouse	Mink Frog	
		Yellow Rail	Wood Turtle	
		Wilson's Phalarope	Blanding's Turtle	
		Black Tern		
		Le Conte's Sparrow		
		Nelson's Sharp-tailed		
		Sparrow		
		Bobolink		

Table 3-27 continued

Community Group	Natural Communities that are Major Opportunities in the Northwest Sands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Wetland (cont.)	Open Bog	Birds (10) American Bittern Northern Harrier Yellow Rail Solitary Sandpiper Olive-sided Flycatcher Golden-winged Warbler Connecticut Warbler	Herptiles (4) Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Mammals (1) Gray Wolf
		Le Conte's Sparrow Bobolink Rusty Blackbird	
	Submergent Aquatic	Birds (8) Red-necked Grebe Trumpeter Swan Blue-winged Teal Canvasback Lesser Scaup Bald Eagle Wilson's Phalarope Black Tern	Herptiles (4) Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle
Aquatic	Coldwater streams	Herptiles (6) Four-toed Salamander Mudpuppy Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle	Mammals (1) Water Shrew
	Coolwater streams	Birds (1) Solitary Sandpiper Herptiles (5) Four-toed Salamander Pickerel Frog Mink Frog Wood Turtle Blanding's Turtle	<i>Mammals (1)</i> Water Shrew

Table 3-27 continued

Community Group	Natural Communities that are Major Opportunities in the Northwest Sands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Inland lakes	Birds (7)	Herptiles (5)
(cont)		Trumpeter Swan Blue-winged Teal	Mudpuppy Boreal Chorus Frog
		Canvasback	Pickerel Frog
		Lesser Scaup	Mink Frog
		Osprey Bald Eagle	Blanding's Turtle
		Black Tern	<i>Mammals (1)</i> Water Shrew
		Fish (5)	
		Lake Sturgeon	
		Pugnose Shiner	
		Greater Redhorse	
		Banded Killifish	
		Least Darter	
	Warmwater rivers	Birds (5)	Fish (5)
		Canvasback	Lake Sturgeon
		Lesser Scaup	River Redhorse
		Osprey	Greater Redhorse
		Bald Eagle	Least Darter
		Dunlin	Gilt Darter
			Herptiles (5) Mudpuppy
			Pickerel Frog
			Mink Frog
			Wood Turtle
			Blanding's Turtle

Table 3-28. Ecological Priority habitat-species opportunities within the North Central Forest

Community	Natural Communities that are Major		
Group	Opportunities in the North Central	determined to be high priority based on their	
	Forest Ecological Landscape	Community-Landscap	
Northern	Northern Hardwood Swamp	Birds (5)	Herptiles (2)
Forest		American Woodcock	Four-toed Salamander
		Least Flycatcher	Wood Turtle
		Veery	
		Golden-winged Warbler	Mammals (9) Water Shrew
		Canada Warbler	
			Northern Long-eared Bat Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
			Northern Flying Squirrel
			Woodland Jumping Mouse
			Gray Wolf
			Moose
	Northern Mesic Forest	Birds (10)	Mammals (10)
		Northern Goshawk	Water Shrew
		Red-shouldered Hawk	Northern Long-eared Bat
		American Woodcock Black-billed Cuckoo	Silver-haired Bat Eastern Red Bat
		Least Flycatcher	Hoary Bat
		Veery	Northern Flying Squirrel
		Wood Thrush	Woodland Jumping Mouse
		Golden-winged Warbler	Gray Wolf
		Black-throated Blue Warbler	-
		Canada Warbler	Moose
			Herptiles (3)
			Four-toed Salamander
			Pickerel Frog
		7 / (2)	Wood Turtle
	Northern Wet Forest	Birds (8)	Herptiles (3)
		Spruce Grouse	Four-toed Salamander
		Black-backed Woodpecker Olive-sided Flycatcher	Pickerel Frog Wood Turtle
		Boreal Chickadee	WOOU FUILIG
		Veery	Mammals (8)
		Golden-winged Warbler	Water Shrew
		Connecticut Warbler	Silver-haired Bat
		Canada Warbler	Eastern Red Bat
			Hoary Bat
			Northern Flying Squirrel
			Woodland Jumping Mouse
			Gray Wolf
			Moose

Table 3-28 continued

Community Group	Natural Communities that are Major Opportunities in the North Central		st Conservation Need
-	Opportunities in the North Central		
		_	n priority based on their
	Forest Ecological Landscape		pe combination scores
Northern	Northern Wet-Mesic Forest	Birds (2)	Mammals (8)
Forest		Olive-sided Flycatcher	Water Shrew
(cont.)		Canada Warbler	Silver-haired Bat
			Eastern Red Bat
		Herptiles (3)	Hoary Bat
		Four-toed Salamander	Northern Flying Squirrel
		Pickerel Frog	Woodland Jumping Mouse
		Wood Turtle	Gray Wolf
			Moose
Wetland	Alder Thicket	Birds (6)	Mammals (8)
		American Woodcock	Water Shrew
		Black-billed Cuckoo	Northern Long-eared Bat
		Veery	Silver-haired Bat
		Golden-winged Warbler	Eastern Red Bat
		Canada Warbler	Hoary Bat
		Rusty Blackbird	Gray Wolf
			Wood Turtle
		Herptiles (3)	Moose
		Four-toed Salamander	
		Pickerel Frog	
		Mink Frog	
	Emergent Aquatic	Birds (5)	Herptiles (4)
		American Bittern	Four-toed Salamander
		Trumpeter Swan	Boreal Chorus Frog
		Solitary Sandpiper	Pickerel Frog
		Black Tern	Mink Frog
		Rusty Blackbird	-
			Mammals (5)
			Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
			Moose
	Ephemeral Pond	Birds (3)	Mammals (5)
			• •
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
		Herptiles (5)	Woodland Jumping Mouse
		Four-toed Salamander	, ,
	1	Boreal Chorus Frog	
		· ·	
		Pickerel Frog Mink Frog	
	Ephemeral Pond	Black Tern Rusty Blackbird Birds (3) Red-shouldered Hawk Solitary Sandpiper Rusty Blackbird Herptiles (5) Four-toed Salamander	Mink Frog Mammals (5) Northern Long-eared Basilver-haired Bat Eastern Red Bat Hoary Bat Moose Mammals (5) Northern Long-eared Basilver-haired Bat Eastern Red Bat Hoary Bat

Table 3-28 continued

Community	Natural Communities that are Major	Species of Greatest	: Conservation Need	
Group	Opportunities in the North Central	determined to be high priority based on their		
	Forest Ecological Landscape		e combination scores	
Wetland (cont.)	Northern Sedge Meadow	Birds (5) American Bittern Northern Harrier Sharp-tailed Grouse Black Tern Bobolink	Mammals (5) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose	
		Herptiles (5) Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Wood Turtle		
	Open Bog	Birds (9) American Bittern Northern Harrier Spruce Grouse Solitary Sandpiper Olive-sided Flycatcher Golden-winged Warbler Connecticut Warbler Bobolink Rusty Blackbird	Herptiles (4) Four-toed Salamander Boreal Chorus Frog Pickerel Frog Mink Frog Mammals (6) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf Moose	
	Submergent Aquatic	Birds (5) Trumpeter Swan Canvasback Lesser Scaup Bald Eagle Black Tern Herptiles (3) Pickerel Frog Mink Frog Wood Turtle	Mammals (5) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Moose	
Aquatic	Coldwater streams	Birds (1) Solitary Sandpiper Herptiles (5) Four-toed Salamander Mudpuppy Pickerel Frog Mink Frog Wood Turtle	Mammals (5) Water Shrew Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat	

Table 3-28 continued

Community	Natural Communities that are Major	Species of Greates	at Conservation Need
Group	Opportunities in the North Central		n priority based on their
Group	Forest Ecological Landscape	_	pe combination scores
Aquatic	Coolwater streams	Birds (1)	Mammals (5)
-	Coolwater streams	Solitary Sandpiper	Water Shrew
(cont.)		Solitary Sandpiper	Northern Long-eared Bat
		Horntiloo (4)	Silver-haired Bat
		Herptiles (4) Four-toed Salamander	
			Eastern Red Bat Hoary Bat
		Pickerel Frog Mink Frog	поату ваг
		· ·	
		Wood Turtle	
	Impoundments/Reservoirs	Birds (6)	Herptiles (4)
		Trumpeter Swan	Mudpuppy
		Canvasback	Boreal Chorus Frog
		Lesser Scaup	Pickerel Frog
		Osprey	Mink Frog
		Bald Eagle	
		Black Tern	Mammals (1)
			Moose
		Fish (2)	
		Lake Sturgeon	
		Greater Redhorse	
	Inland lakes	Birds (5)	Herptiles (4)
		Trumpeter Swan	Mudpuppy
		Canvasback	Boreal Chorus Frog
		Lesser Scaup	Pickerel Frog
		Osprey	Mink Frog
		Bald Eagle	
		Black Tern	Mammals (6)
			Water Shrew
		Fish (3)	Northern Long-eared Bat
		Lake Sturgeon	Silver-haired Bat
		Greater Redhorse	Eastern Red Bat
		Longear Sunfish	Hoary Bat
			Moose
	Warmwater rivers	Birds (4)	Herptiles (4)
		Canvasback	Mudpuppy
		Lesser Scaup	Pickerel Frog
		Osprey	Mink Frog
		Bald Éagle	Wood Turtle
		Fish (4)	Mammals (5)
		Lake Sturgeon	Northern Long-eared Bat
		Greater Redhorse	Silver-haired Bat
		Longear Sunfish	Eastern Red Bat
		Gilt Darter	Hoary Bat
			Moose
	1		

Table 3-28 continued

Community Group	Natural Communities that are Major Opportunities in the North Central Forest Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Warmwater streams	Birds (1)	Herptiles (3)
(cont.)		Solitary Sandpiper	Pickerel Frog
			Mink Frog
		Fish (3)	Wood Turtle
		Greater Redhorse	
		Longear Sunfish	Mammals (6)
		Gilt Darter	Water Shrew
			Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
			Moose
Miscellaneous	Bedrock Glade	Birds (1)	
		Whip-poor-will	
	Dry Cliff	None identified	
	Moist Cliff	None identified	

Table 3-29. Ecological Priority habitat-species opportunities within the Northern Highland

	9. Ecological Priority habitat-species opportunities within the Northern Highland nity Natural Communities that are Major Species of Greatest Conservation Need			
Croup	Opportunities in the Northern	determined to be high priority based on their		
Group	• •			
N. d	Highland Ecological Landscape	Community-Landscape		
Northern	Northern Dry-Mesic Forest	<u>Birds (9)</u>	Mammals (3)	
Forest		Northern Goshawk	Eastern Red Bat	
		Whip-poor-will	Northern Flying Squirrel	
		Least Flycatcher	Gray Wolf	
		Veery		
		Golden-winged Warbler		
		Black-throated Blue Warbler		
		Canada Warbler		
		Red Crossbill		
	Northern Wet Forest	Birds (8)	Herptiles (2)	
	NOTHIOTH WELL DIESE	Spruce Grouse	Four-toed Salamander	
			Wood Turtle	
		Black-backed Woodpecker	vvoou rurue	
		Olive-sided Flycatcher	Managada (C)	
		Boreal Chickadee	Mammals (6)	
		Veery	Water Shrew	
		Golden-winged Warbler	Eastern Red Bat	
		Connecticut Warbler	Northern Flying Squirrel	
		Canada Warbler	Woodland Jumping Mouse	
			Gray Wolf	
			Moose	
Wetland	Emergent Aquatic	Birds (9)	Herptiles (2)	
		American Bittern	Four-toed Salamander	
		Blue-winged Teal	Mink Frog	
		American Golden Plover		
		Solitary Sandpiper	Mammals (2)	
		Buff-breasted Sandpiper	Eastern Red Bat	
		Dunlin	Moose	
		IShort-hilled Dowltcher		
		Short-billed Dowitcher Black Tern		
		Black Tern		
	Emorgant Aquatic Wild Dice	Black Tern Rusty Blackbird	Horntilos (1)	
	Emergent Aquatic-Wild Rice	Black Tern Rusty Blackbird <i>Birds (4)</i>	Herptiles (1)	
	Emergent Aquatic-Wild Rice	Black Tern Rusty Blackbird <i>Birds (4)</i> Blue-winged Teal	Herptiles (1) Mink Frog	
	Emergent Aquatic-Wild Rice	Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback	•	
	Emergent Aquatic-Wild Rice	Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup	•	
		Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern	Mink Frog	
	Emergent Aquatic-Wild Rice Northern Sedge Meadow	Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern Birds (6)	Mink Frog Herptiles (3)	
		Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern Birds (6) American Bittern	Mink Frog Herptiles (3) Four-toed Salamander	
		Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern Birds (6) American Bittern Blue-winged Teal	Mink Frog Herptiles (3) Four-toed Salamander Mink Frog	
		Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern Birds (6) American Bittern	Mink Frog Herptiles (3) Four-toed Salamander	
		Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern Birds (6) American Bittern Blue-winged Teal	Mink Frog Herptiles (3) Four-toed Salamander Mink Frog	
		Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern Birds (6) American Bittern Blue-winged Teal Northern Harrier	Mink Frog Herptiles (3) Four-toed Salamander Mink Frog	
		Black Tern Rusty Blackbird Birds (4) Blue-winged Teal Canvasback Lesser Scaup Black Tern Birds (6) American Bittern Blue-winged Teal Northern Harrier Yellow Rail	Mink Frog Herptiles (3) Four-toed Salamander Mink Frog Wood Turtle Mammals (2)	

Table 3-29 continued

0	National Communities of the control	0	Nama a mandia ma Niver I
Community	Natural Communities that are Major		
Group	Opportunities in the Northern	determined to be high p	
10/ (1 1	Highland Ecological Landscape	Community-Landscape	
Wetland	Open Bog	Birds (9)	Herptiles (2)
(cont.)		American Bittern	Four-toed Salamander
		Northern Harrier	Mink Frog
		Spruce Grouse	
		Yellow Rail	Mammals (3)
		Solitary Sandpiper	Eastern Red Bat
		Olive-sided Flycatcher	Gray Wolf
		Golden-winged Warbler	Moose
		Connecticut Warbler	
		Rusty Blackbird	
	Submergent Aquatic	Birds (5)	Herptiles (2)
	β	Blue-winged Teal	Mink Frog
		Canvasback	Wood Turtle
		Lesser Scaup	
		Bald Eagle	Mammals (2)
		Black Tern	Eastern Red Bat
		Didok Form	Moose
	Submergent Aquatic-Oligotrophic	Herptiles (1)	Mammals (2)
	Marsh	Mink Frog	Eastern Red Bat
	IVIAI SI I	IVIIIIK I 10g	Moose
Aguatia	Coolwater streams	Birds (1)	Mammals (1)
Aquatic	Coolwater streams	• /	Water Shrew
		Solitary Sandpiper	
		Herptiles (3)	Eastern Red Bat
		Four-toed Salamander	
		Mink Frog	
		Wood Turtle	
	Inland lakes	Birds (6)	Herptiles (2)
		Blue-winged Teal	Mudpuppy
		Canvasback	Mink Frog
		Lesser Scaup	
		Osprey	Mammals (3)
		Bald Eagle	Water Shrew
		Black Tern	Eastern Red Bat
			Moose
		Fish (5)	
		Lake Sturgeon	
		Pugnose Shiner	
		Greater Redhorse	
		Longear Sunfish	
		Least Darter	

Table 3-29 continued

Community Group	Natural Communities that are Major Opportunities in the Northern Highland Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on the Community-Landscape combination score	
Aquatic	Warmwater rivers	Birds (5)	Herptiles (3)
(cont.)		Canvasback	Mudpuppy
		Lesser Scaup	Mink Frog
		Osprey	Wood Turtle
		Bald Eagle	
		Dunlin	Mammals (2)
			Eastern Red Bat
		Fish (4)	Moose
		Lake Sturgeon	
		Greater Redhorse	
		Longear Sunfish	
		Least Darter	
	Warmwater streams	Birds (1)	Mammals (3)
		Solitary Sandpiper	Water Shrew
			Eastern Red Bat
		Fish (3)	Moose
		Pugnose Shiner	
		Longear Sunfish	
		Least Darter	

Table 3-30. Ecological Priority habitat-species opportunities within the Forest Transition

Community	Ecological Priority habitat-species opportunities within the Forest Transition Natural Communities that are Major Species of Greatest Conservation Need			
Group	, , , , , , , , , , , , , , , , , , ,			
Group	Transition Ecological Landscape	Community-Landscap		
Northern	Northern Mesic Forest	Birds (10)	Herptiles (2)	
Forest	Trenanent Meele Fereet	Northern Goshawk	Four-toed Salamander	
1 01001		Red-shouldered Hawk	Pickerel Frog	
		American Woodcock	Wood Turtle	
		Black-billed Cuckoo	Wood Fartic	
		Least Flycatcher	Mammals (8)	
		Veery	Water Shrew	
		Wood Thrush	Northern Long-eared Bat	
		Golden-winged Warbler	Silver-haired Bat	
		Black-throated Blue Warbler		
		Canada Warbler	Hoary Bat	
		Cariada Warbier	Northern Flying Squirrel	
			Woodland Jumping Mouse	
			Gray Wolf	
	Northern Wet-Mesic Forest	Birds (1)	Mammals (7)	
	Notthern wet-weste Forest	Canada Warbler	Water Shrew	
		Carlada Warbier	Silver-haired Bat	
		Herptiles (3)	Eastern Red Bat	
		Four-toed Salamander	Hoary Bat	
			Northern Flying Squirrel	
		Pickerel Frog Wood Turtle	Woodland Jumping Mouse	
		vvood Turtie	Gray Wolf	
	N. d. M. d. T. d.	D1 ((0)	-	
	Northern Wet Forest	Birds (3)	<i>Mammals (7)</i> Water Shrew	
		Veery		
		Golden-winged Warbler	Silver-haired Bat	
		Canada Warbler	Eastern Red Bat	
		Harmtilaa (2)	Hoary Bat	
		Herptiles (3)	Northern Flying Squirrel	
		Four-toed Salamander	Woodland Jumping Mouse	
		Pickerel Frog	Gray Wolf	
Δ .:		Wood Turtle	A4 /E ²	
Aquatic	Coldwater streams	Birds (2)	Mammals (5)	
		Solitary Sandpiper	Water Shrew	
		Louisiana Waterthrush	Northern Long-eared Bat	
		Figh (4)	Silver-haired Bat	
		Fish (1)	Eastern Red Bat	
		Redside Dace	Hoary Bat	
		Harmtilas (4)		
		Herptiles (4)		
		Four-toed Salamander		
		Mudpuppy		
		Pickerel Frog		
		Wood Turtle		

Table 3-30 continued

		a	
Community	Natural Communities that are Major		st Conservation Need
Group	Opportunities in the Forest		h priority based on their
A 4: -	Transition Ecological Landscape		ape combination scores
Aquatic	Coolwater streams	Birds (2)	Mammals (5)
(cont.)		Solitary Sandpiper	Water Shrew
		Louisiana Waterthrush	Northern Long-eared Bat
			Silver-haired Bat
		Fish (1)	Eastern Red Bat
		Redside Dace	Hoary Bat
		Herptiles (3)	
		Four-toed Salamander	
		Pickerel Frog	
		Wood Turtle	
	Impoundments/Reservoirs	Birds (10)	Fish (1)
		Trumpeter Swan	Redfin Shiner
		Blue-winged Teal	
		Canvasback	Herptiles (2)
		Lesser Scaup	Mudpuppy
		Osprey	Pickerel Frog
		Bald Eagle	
		American Golden Plover	
		Dunlin	
		Short-billed Dowitcher	
		Black Tern	
	Warmwater rivers	Birds (5)	Herptiles (3)
		Canvasback	Mudpuppy
		Lesser Scaup	Pickerel Frog
		Osprey	Wood Turtle
		Bald Eagle	
		Dunlin	Mammals (4)
			Northern Long-eared Bat
		Fish (2)	Silver-haired Bat
		Redfin Shiner	Eastern Red Bat
		Black Redhorse	Hoary Bat
	Warmwater streams	Birds (1)	Herptiles (2)
		Solitary Sandpiper	Pickerel Frog
			Wood Turtle
		Fish (3)	
		Redside Dace	Mammals (5)
		Ozark Minnow	Water Shrew
		Redfin Shiner	Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
	Warmwater streams	Fish (2) Redfin Shiner Black Redhorse Birds (1) Solitary Sandpiper Fish (3) Redside Dace Ozark Minnow	Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Herptiles (2) Pickerel Frog Wood Turtle Mammals (5) Water Shrew Northern Long-eared Bat Silver-haired Bat

Table 3-31. Ecological Priority habitat-spe cies opportunities within the Northeast Sands

Community Group	Natural Communities that are Major Species of Greatest Conservation Opportunities in the Northeast determined to be high priority base		t Conservation Need
	Sands Ecological Landscape	Community-Landsca	pe combination scores
Northern	Northern Dry Forest	Birds (4)	Mammals (2)
Forest		Whip-poor-will	Northern Flying Squirrel
		Least Flycatcher	Gray Wolf
		Golden-winged Warbler Red Crossbill	
	Northern Dry-Mesic Forest	Birds (8)	Mammala (2)
	Northern Dry-Wesic Forest	Northern Goshawk	Mammals (2) Northern Flying Squirrel
		Red-shouldered Hawk	Gray Wolf
		Whip-poor-will	Gray Woll
		Least Flycatcher	
		Veery	
		Golden-winged Warbler	
		Canada Warbler	
		Red Crossbill	
	Northern Wet-Mesic Forest	Birds (1)	Mammals (4)
		Canada Warbler	Water Shrew
			Northern Flying Squirrel
		Herptiles (3)	Woodland Jumping Mouse
		Four-toed Salamander	Gray Wolf
		Pickerel Frog	
		Wood Turtle	
Barrens	Pine Barrens	Birds (10)	Herptiles (2)
		Northern Harrier	Wood Turtle
		Sharp-tailed Grouse	Blanding's Turtle
		Upland Sandpiper	Mammala (1)
		Black-billed Cuckoo Whip-poor-will	Mammals (1) Gray Wolf
		Brown Thrasher	Gray Woll
		Field Sparrow	
		Vesper Sparrow	
		Lark Sparrow	
		Red Crossbill	
Grassland	Bracken Grassland	Birds (7)	Herptiles (2)
		Northern Harrier	Wood Turtle
		Sharp-tailed Grouse	Blanding's Turtle
		Upland Sandpiper	
		Brown Thrasher	Mammals (1)
		Field Sparrow	Gray Wolf
		Vesper Sparrow	
		Grasshopper Sparrow	

Table 3-31 continued

Community Group	Natural Communities that are Major Opportunities in the Northeast Sands Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Coldwater streams	Birds (1)	Mammals (1)
		Solitary Sandpiper	Water Shrew
		Herptiles (6)	
		Four-toed Salamander	
		Mudpuppy	
		Pickerel Frog	
		Mink Frog	
		Wood Turtle	
		Blanding's Turtle	
	Coolwater streams	Birds (1)	Mammals (1)
		Solitary Sandpiper	Water Shrew
		Hormfiles (5)	
		Herptiles (5) Four-toed Salamander	
		Pickerel Frog	
		Mink Frog	
		Wood Turtle	
		Blanding's Turtle	
	Warmwater rivers	Birds (2)	Herptiles (5)
	vvaiiiiwatei iiveis	Osprey	Mudpuppy
		Bald Eagle	Pickerel Frog
			Mink Frog
		Fish (1)	Wood Turtle
		Lake Sturgeon	Blanding's Turtle

Table 3-32. Ecological Priority habitat-species opportunities within the Northern Lake Michigan Coastal

Table 3-32. Community	nunity Natural Communities that are Major Species of Greatest Conservation Need				
Group	Opportunities in the Northern Lake	, , ,			
Group	Michigan Coastal Ecological Landscape	Community-Landscap	-		
Northern	Northern Mesic Forest	Birds (10)	Herptiles (3)		
Forest	Northern Medic Forest	Northern Goshawk	Four-toed Salamander		
1 01631		Red-shouldered Hawk	Pickerel Frog		
		American Woodcock	Wood Turtle		
		Black-billed Cuckoo	Wood Tuttle		
		Least Flycatcher	Mammals (8)		
		Veery	Water Shrew		
		Wood Thrush			
			Northern Long-eared Bat		
		Golden-winged Warbler Black-throated Blue Warbler	Silver-haired Bat		
		Canada Warbler	Hoary Bat		
			Northern Flying Squirrel		
			Woodland Jumping Mouse		
			Gray Wolf		
	Northern Wet-Mesic Forest	Birds (2)	Mammals (7)		
		Olive-sided Flycatcher	Water Shrew		
		Canada Warbler	Silver-haired Bat		
			Eastern Red Bat		
		Herptiles (3)	Hoary Bat		
		Four-toed Salamander	Northern Flying Squirrel		
		Pickerel Frog	Woodland Jumping Mouse		
		Wood Turtle	Gray Wolf		
Wetland	Boreal Rich Fen	Birds (1)	Mammals (4)		
		Canada Warbler	Northern Long-eared Bat		
			Silver-haired Bat		
		Herptiles (1)	Eastern Red Bat		
		Mink Frog	Hoary Bat		
	Emergent Aquatic	Birds (16)	Herptiles (4)		
		American Bittern	Four-toed Salamander		
		Great Egret	Pickerel Frog		
		Snowy Egret	Mink Frog		
		Blue-winged Teal	Blanding's Turtle		
		American Golden Plover			
		Solitary Sandpiper	Mammals (4)		
		Whimbrel	Northern Long-eared Bat		
		Hudsonian Godwit	Silver-haired Bat		
		Marbled Godwit	Eastern Red Bat		
		Dunlin	Hoary Bat		
		Buff-breasted Sandpiper			
		Short-billed Dowitcher			
		Common Tern			
		Forster's Tern			
		Black Tern			
		Rusty Blackbird			

Table 3-32 continued

Community.	Natural Communities that are Major	Creation of Createst	Consequetion Need
Crown	Natural Communities that are Major	Species of Greatest	
Group	Opportunities in the Northern Lake	determined to be high p	
)A/ (I I	Michigan Coastal Ecological Landscape		
Wetland	Northern Sedge Meadow	Birds (6)	Herptiles (5)
(cont.)		American Bittern	Four-toed Salamander
		Blue-winged Teal	Pickerel Frog
		Northern Harrier	Mink Frog
		Yellow Rail	Wood Turtle
		Black Tern	Blanding's Turtle
		Bobolink	-
			Mammals (4)
			Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
	Shrub Carr	Birds (8)	Herptiles (5)
	Siliub Cali	American Woodcock	Four-toed Salamander
		Black-billed Cuckoo	Pickerel Frog
		Yellow-billed Cuckoo	Mink Frog
		Willow Flycatcher	Wood Turtle
		Veery	Blanding's Turtle
		Blue-winged Warbler	
		Golden-winged Warbler	Mammals (5)
		Rusty Blackbird	Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
			Gray Wolf
Miscellaneous	Dry Cliff	Birds (1)	•
Communities	2., 0	Peregrine Falcon	
	Forested Ridge and Swale	Birds (9)	Herptiles (1)
	r oroctou range and emale	Solitary Sandpiper	Four-toed Salamander
		Black-billed Cuckoo	r dar toda dalamanadi
		Olive-sided Flycatcher	Mammals (1)
		Least Flycatcher	Northern Flying Squirrel
		Veery	Northern Flying Squire
		Wood Thrush	
		Brown Thrasher	
		Canada Warbler	
		Rusty Blackbird	
	Great Lakes Beach	Birds (5)	
		Piping Plover	
		Whimbrel	
		Dunlin	
		Caspian Tern	
		Common Tern	
	Great Lakes Dune	Birds (1)	
	C. Sat Lands Dune	Piping Plover	
	Great Lakes Rockshore	None identified	
	GIEGI LANES NUCRSIIUIE	rvone lucitilled	

Table 3-32 continued

Community Group	Natural Communities that are Major Opportunities in the Northern Lake Michigan Coastal Ecological Landscape		
Aquatic	Lake Michigan	Birds (4)	Fish (3)
		Bald Eagle	Lake Sturgeon
		Horned Grebe	Greater Redhorse
		Caspian Tern	Banded Killifish
		Common Tern	Ham (Haa (4)
			Herptiles (1)
	Marine vistar vistari	Divole (C)	Mudpuppy
	Warmwater rivers	Birds (6)	Herptiles (5)
		Great Egret	Mudpuppy
		Canvasback	Pickerel Frog
		Lesser Scaup	Mink Frog
		Osprey	Wood Turtle
		Bald Eagle Dunlin	Blanding's Turtle
		Duniin	Mammals (4)
		Fish (6)	Northern Long-eared Bat
		Lake Sturgeon	Silver-haired Bat
		Redfin Shiner	Eastern Red Bat
		Shoal Chub (Speckled	Hoary Bat
		Chub)	Hoary Bat
		Greater Redhorse	
		Longear Sunfish	
		Western Sand Darter	
	Warmwater streams	Birds (1)	Herptiles (4)
		Solitary Sandpiper	Pickerel Frog
			Mink Frog
		Fish (4)	Wood Turtle
		Pugnose Shiner	Blanding's Turtle
		Redfin Shiner	<u> </u>
		Greater Redhorse	Mammals (5)
		Longear Sunfish	Water Shrew
			Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat

Table 3-33. Ecological Priority habitat-species opportunities within the Central Lake Michigan Coastal

Crown	Natural Communities that are Major		
Group	Opportunities in the Central Lake Michigan Coastal Ecological Landscape	Community-Landscape	_
Miscellaneous	Dry Cliff	Birds (1)	
Communities	•	Peregrine Falcon	
	Forested Ridge and Swale	Birds (8)	Herptiles (1)
	-	Solitary Sandpiper	Four-toed Salamander
		Black-billed Cuckoo	
		Least Flycatcher	
		Veery	
		Wood Thrush	
		Brown Thrasher	
		Canada Warbler	
		Rusty Blackbird	
	Great Lakes Beach	Birds (5)	
		Piping Plover	
		Whimbrel	
		Dunlin	
		Caspian Tern	
		Common Tern	
	Great Lakes Dune	Birds (1)	
		Piping Plover	
Aquatic	Lake Michigan	Birds (4)	Fish (3)
		Horned Grebe	Lake Sturgeon
		Bald Eagle	Greater Redhorse
		Caspian Tern	Banded Killifish
		Common Tern	
			Herptiles (1)
			Mudpuppy
	Warmwater rivers	Birds (7)	Herptiles (4)
		Great Egret	Mudpuppy
		Yellow-crowned Night-Heron	Pickerel Frog
		Canvasback	Wood Turtle
		Lesser Scaup	Blanding's Turtle
		Osprey	
		Bald Eagle	Mammals (4)
		Dunlin	Northern Long-eared Bat Silver-haired Bat
		Fish (5)	Eastern Red Bat
		Lake Sturgeon	Hoary Bat
		Shoal Chub (Speckled Chub)	•
		River Redhorse	,
		Greater Redhorse	
		Western Sand Darter	
		vvestern sand Darter	

Table 3-33 continued

Community Group	Natural Communities that are Major Opportunities in the Central Lake Michigan Coastal Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Warmwater streams	Birds (1)	Herptiles (3)
(cont.)		Solitary Sandpiper	Pickerel Frog
			Wood Turtle
		Fish (2)	Blanding's Turtle
		Redside Dace	
		Greater Redhorse	Mammals (4)
			Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat

Table 3-34. Ecological Priority habitat-species opportunities within the Western Prairie

Community Group	Natural Communities that are Major Opportunities in the Western Prairie Ecological Landscape	Community-Landscape combination scores	
Grassland	Mesic Prairie	Birds (12)	Herptiles (3)
		Blue-winged Teal	Pickerel Frog
		Northern Harrier	Blanding's Turtle
		American Golden Plover	Timber Rattlesnake
		Upland Sandpiper	
		Marbled Godwit	Mammals (2)
		Short-eared Owl	Franklin's Ground Squirrel
		Willow Flycatcher	Prairie Vole
		Dickcissel	
		Field Sparrow	
		Henslow's Sparrow	
		Bobolink	
		Eastern Meadowlark	
	Surrogate Grasslands	Birds (18)	Mammals (3)
		Blue-winged Teal	White-tailed Jackrabbit
		Northern Harrier	Franklin's Ground Squirrel
		American Golden Plover	Prairie Vole
		Upland Sandpiper	
		Marbled Godwit	
		Buff-breasted Sandpiper	
		Short-eared Owl	
		Willow Flycatcher	
		Brown Thrasher	
		Loggerhead Shrike	
		Dickcissel	
		Field Sparrow	
		Grasshopper Sparrow	
		Henslow's Sparrow	
		Le Conte's Sparrow	
		Bobolink	
		Western Meadowlark	
		Eastern Meadowlark	

Table 3-34 continued

Community	Natural Communities that are Major	Species of Greatest Conservation Need		
Group	Opportunities in the Western Prairie Ecological Landscape	determined to be higl	h priority based on their upe combination scores	
Wetland	Emergent Aquatic	Birds (15)	Herptiles (2)	
		Red-necked Grebe	Pickerel Frog	
		American Bittern	Blanding's Turtle	
		Great Egret		
		Trumpeter Swan		
		Blue-winged Teal		
		King Rail		
		American Golden Plover		
		Solitary Sandpiper		
		Hudsonian Godwit		
		Marbled Godwit		
		Dunlin		
		Buff-breasted Sandpiper		
		Short-billed Dowitcher		
		Black Tern		
		Rusty Blackbird		
Aquatic	Coldwater streams	Birds (2)	Herptiles (4)	
		Solitary Sandpiper	Mudpuppy	
		Louisiana Waterthrush	Pickerel Frog	
			Wood Turtle	
			Blanding's Turtle	
	Coolwater streams	Birds (2)	Herptiles (3)	
		Solitary Sandpiper	Pickerel Frog	
		Louisiana Waterthrush	Wood Turtle	
			Blanding's Turtle	
	Warmwater rivers	Birds (4)	Herptiles (4)	
		Great Egret	Mudpuppy	
		Canvasback	Pickerel Frog	
		Lesser Scaup	Wood Turtle	
		Dunlin	Blanding's Turtle	
		Fish (6)		
		Lake Sturgeon		
		Blue Sucker		
		River Redhorse		
		Greater Redhorse		
		Crystal Darter		
		Western Sand Darter		
		Western Sand Darter		

Table 3-34 continued

Community Group	Natural Communities that are Major Opportunities in the Western Prairie Ecological Landscape		
Aquatic	Warmwater streams	Birds (1)	Herptiles (3)
(cont.)		Solitary Sandpiper	Pickerel Frog
			Wood Turtle
		Fish (1)	Blanding's Turtle
		Greater Redhorse	

Table 3-35. Ecological Priority habitat-species opportunities within the Western Coulee and Ridges

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern	Floodplain Forest	Birds (18)	Herptiles (7)
Forest	•	Great Egret	Four-toed Salamander
		Yellow-crowned Night-Heron	Pickerel Frog
		Blue-winged Teal	Wood Turtle
		Red-shouldered Hawk	Blanding's Turtle
		Solitary Sandpiper	Black Rat Snake
		Black-billed Cuckoo	Timber Rattlesnake
		Yellow-billed Cuckoo	Eastern Massasauga
		Red-headed Woodpecker	Rattlesnake
		Acadian Flycatcher	
		Least Flycatcher	Mammals (4)
		Veery	Northern Long-eared Bat
		Wood Thrush	Silver-haired Bat
		Blue-winged Warbler	Eastern Red Bat
		Yellow-throated Warbler	Hoary Bat
		Cerulean Warbler	
		Prothonotary Warbler	
		Kentucky Warbler	
		Rusty Blackbird	
	Hemlock Relict	Birds (1)	Mammals (4)
		Veery	Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
	Pine Relict	Birds (2)	Mammals (2)
		Whip-poor-will	Eastern Red Bat
		Veery	Hoary Bat
		Hormfiles (2)	
		Herptiles (3)	
		Black Rat Snake	
		Bullsnake	
		Timber Rattlesnake	

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern	Southern Dry Forest	Birds (5)	Mammals (3)
Forest		Whip-poor-will	Northern Long-eared Bat
(cont.)		Red-headed Woodpecker	Eastern Red Bat
		Wood Thrush	Woodland Vole
		Blue-winged Warbler	
		Worm-eating Warbler	
		Herptiles (8) Ornate Box Turtle	
		Northern Prairie Skink	
		Western Worm Snake	
		Yellow-bellied Racer	
		Ring-neck Snake	
		Black Rat Snake	
		Bullsnake	
		Timber Rattlesnake	
	Southern Dry-Mesic Forest	Birds (14)	Herptiles (9)
		Red-shouldered Hawk	Blanding's Turtle
		Yellow-billed Cuckoo	Ornate Box Turtle
		Whip-poor-will	Northern Prairie Skink
		Red-headed Woodpecker	Western Worm Snake
		Acadian Flycatcher	Yellow-bellied Racer
		Veery	Ring-neck Snake
		Wood Thrush	Black Rat Snake
		Blue-winged Warbler	Bullsnake
		Yellow-throated Warbler	Timber Rattlesnake
		Cerulean Warbler	
		Worm-eating Warbler	Mammals (3)
		Kentucky Warbler	Northern Long-eared Bat
		Hooded Warbler	Eastern Red Bat
		Louisiana Waterthrush	Woodland Vole

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Southern	Southern Mesic Forest	Birds (11)	Herptiles (8)
Forest		Red-shouldered Hawk	Four-toed Salamander
(cont.)		Yellow-billed Cuckoo	Pickerel Frog
		Acadian Flycatcher	Wood Turtle
		Veery	Blanding's Turtle
		Wood Thrush	Ornate Box Turtle
		Blue-winged Warbler	Black Rat Snake
		Cerulean Warbler	Bullsnake
		Worm-eating Warbler	Timber Rattlesnake
		Kentucky Warbler	
		Hooded Warbler	Mammals (2)
		Louisiana Waterthrush	Northern Long-eared Bat
			Eastern Red Bat
Oak Savanna	Cedar Glade	Birds (2)	Herptiles (10)
		Field Sparrow	Blanding's Turtle
		Lark Sparrow	Ornate Box Turtle
			Northern Prairie Skink
			Prairie Racerunner
			Western Worm Snake
			Yellow-bellied Racer
			Ring-neck Snake
			Black Rat Snake
			Bullsnake
			Timber Rattlesnake
	Oak Opening	Birds (8)	Herptiles (10)
		Northern Bobwhite	Wood Turtle
		Red-headed Woodpecker	Blanding's Turtle
		Brown Thrasher	Ornate Box Turtle
		Blue-winged Warbler Field Sparrow	Western Slender Glass Lizard
		Vesper Sparrow	Northern Prairie Skink
		Henslow's Sparrow	Prairie Racerunner
		Eastern Meadowlark	Ring-neck Snake
			Black Rat Snake
			Bullsnake
			Timber Rattlesnake
			Mammals (4) Eastern Red Bat Franklin's Ground Squirrel Prairie Vole
			Woodland Vole

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores		
Oak Savanna	Oak Woodland	Birds (5)	Mammals (4)	
(cont.)		Red-headed Woodpecker	Northern Long-eared Bat	
		Whip-poor-will	Eastern Red Bat	
		Wood Thrush	Franklin's Ground Squirrel	
		Blue-winged Warbler	Woodland Vole	
		Cerulean Warbler		
		Herptiles (8)		
		Wood Turtle		
ı		Blanding's Turtle		
		Ornate Box Turtle		
		Northern Prairie Skink		
		Ring-neck Snake		
		Black Rat Snake		
		Bullsnake		
		Timber Rattlesnake		
Barrens	Oak Barrens	Birds (11)	Herptiles (9)	
		Northern Harrier	Wood Turtle	
		Upland Sandpiper	Blanding's Turtle	
		Black-billed Cuckoo	Western Slender Glass	
		Whip-poor-will	Lizard	
		Red-headed Woodpecker	Northern Prairie Skink	
		Brown Thrasher	Prairie Racerunner	
		Field Sparrow	Yellow-bellied Racer	
		Vesper Sparrow	Ring-neck Snake	
		Lark Sparrow	Bullsnake	
		Grasshopper Sparrow	Eastern Massasauga	
		Western Meadowlark	Rattlesnake	
			Mammals (4)	
			Northern Long-eared Bat	
			Eastern Red Bat	
			Franklin's Ground Squirrel Prairie Vole	

Table 3-35 continued

Community	Natural Communities that are Maior	Species of Creek	est Conservation Need	
Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores		
Grassland	Dry Prairie	Birds (12)	Herptiles (13)	
Cracolaria	Diy i idiile	Northern Harrier	Wood Turtle	
		Northern Bobwhite	Blanding's Turtle	
		Upland Sandpiper	Ornate Box Turtle	
		Short-eared Owl	Western Slender Glass	
		Brown Thrasher	Lizard	
		Bell's Vireo	Northern Prairie Skink	
		Field Sparrow	Prairie Racerunner	
		Vesper Sparrow	Western Worm Snake	
		Lark Sparrow	Yellow-bellied Racer	
		Grasshopper Sparrow	Ring-neck Snake	
		Eastern Meadowlark	Black Rat Snake	
		Western Meadowlark	Bullsnake	
		Western Meadowian	Timber Rattlesnake	
			Eastern Massasauga	
			Rattlesnake	
			Nattiestiake	
			Mammals (1)	
			Prairie Vole	
	Dry-Mesic Prairie	Birds (18)	Herptiles (11)	
	·	Blue-winged Teal	Wood Turtle	
		Northern Harrier	Blanding's Turtle	
		Northern Bobwhite	Ornate Box Turtle	
		American Golden Plover	Western Slender Glass	
		Upland Sandpiper	Lizard	
		Buff-breasted Sandpiper	Northern Prairie Skink	
		Short-eared Owl	Yellow-bellied Racer	
		Willow Flycatcher	Ring-neck Snake	
		Brown Thrasher	Bullsnake	
		Bell's Vireo	Black Rat Snake	
		Dickcissel	Timber Rattlesnake	
		Field Sparrow	Eastern Massasauga	
		Vesper Sparrow	Rattlesnake	
		Grasshopper Sparrow		
		Henslow's Sparrow	Mammals (2)	
		Bobolink	Franklin's Ground Squirrel	
	-	i		
		Eastern Meadowlark	Prairie Vole	

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee		
	and Ridges Ecological Landscape		ape combination scores
Grassland	Sand Prairie	Birds (9)	Herptiles (11)
(cont.)		Upland Sandpiper	Wood Turtle
		Brown Thrasher	Blanding's Turtle
		Bell's Vireo	Ornate Box Turtle
		Field Sparrow	Western Slender Glass
		Vesper Sparrow	Lizard
		Lark Sparrow	Northern Prairie Skink
		Grasshopper Sparrow	Prairie Racerunner
		Eastern Meadowlark	Yellow-bellied Racer
		Western Meadowlark	Ring-neck Snake
			Bullsnake
			Timber Rattlesnake
			Eastern Massasauga Rattlesnake
			Mammals (2)
			Franklin's Ground Squirrel
			Prairie Vole
	Surrogate Grasslands	Birds (17)	Mammals (2)
		Blue-winged Teal	Franklin's Ground Squirrel
		Northern Harrier	Prairie Vole
		Northern Bobwhite	
		American Golden Plover	
		Upland Sandpiper	
		Buff-breasted Sandpiper	
		Short-eared Owl	
		Willow Flycatcher	
		Brown Thrasher	
		Bell's Vireo	
		Dickcissel	
		Field Sparrow	
		Grasshopper Sparrow	
		Henslow's Sparrow	
		Bobolink	
		Eastern Meadowlark	
		Western Meadowlark	

Table 3-35 continued

0	National Communities of the same	0	(O a manufacture No. 1
Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	determined to be high	t Conservation Need priority based on their se combination scores
Wetland	Emergent Aquatic	Birds (11)	Herptiles (5)
		Great Egret	Four-toed Salamander
		Yellow-crowned Night-Heron	Blanchard's Cricket Frog
		Blue-winged Teal	Pickerel Frog
		King Rail	Blanding's Turtle
		Whooping Crane	Eastern Massasauga
		American Golden Plover	Rattlesnake
		Solitary Sandpiper	
		Buff-breasted Sandpiper	Mammals (4)
		Short-billed Dowitcher	Northern Long-eared Bat
		Black Tern	Silver-haired Bat
		Rusty Blackbird	Eastern Red Bat
			Hoary Bat
	Shrub Carr	Birds (10)	Herptiles (5)
	Cilias Call	Yellow-crowned Night-Heron	. ,
		American Woodcock	Pickerel Frog
		Black-billed Cuckoo	Wood Turtle
		Yellow-billed Cuckoo	Blanding's Turtle
		Short-eared Owl	Eastern Massasauga
			Rattlesnake
		Willow Flycatcher	Rattiesnake
		Veery Bell's Vireo	Mammala (4)
			Mammals (4)
		Blue-winged Warbler	Northern Long-eared Bat
		Rusty Blackbird	Silver-haired Bat
1			Eastern Red Bat
			Hoary Bat
	Submergent Aquatic	Birds (8)	Herptiles (4)
		Great Egret	Blanchard's Cricket Frog
,		Yellow-crowned Night-Heron	
		Blue-winged Teal	Wood Turtle
		Canvasback	Blanding's Turtle
		Lesser Scaup	
		Bald Eagle	Mammals (4)
		Whooping Crane	Northern Long-eared Bat
		Black Tern	Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
Miscellaneous Communities	Algific Talus Slope	None identified	

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on the Community-Landscape combination score		
Miscellaneous	Bedrock Glade	Birds (2)	Herptiles (5)	
Communities		Whip-poor-will	Northern Prairie Skink	
(cont.)		Blue-winged Warbler	Prairie Racerunner	
			Ring-neck Snake	
			Bullsnake	
			Timber Rattlesnake	
	Dry Cliff	Birds (1)	Herptiles (5)	
		Peregrine Falcon	Northern Prairie Skink	
			Yellow-bellied Racer	
			Black Rat Snake	
			Bullsnake	
			Timber Rattlesnake	
	Moist Cliff	None identified	Timber Natileshake	
A 4' -			Ham (II a /F)	
Aquatic	Coldwater streams	Birds (2)	Herptiles (5)	
		Solitary Sandpiper	Four-toed Salamander	
		Louisiana Waterthrush	Blanchard's Cricket Frog	
			Pickerel Frog	
		Fish (1)	Wood Turtle	
		Redside Dace	Blanding's Turtle	
			Mammals (4)	
			Northern Long-eared Bat	
			ū	
			Silver-haired Bat	
			Eastern Red Bat	
		5 1.1.6)	Hoary Bat	
	Coolwater streams	Birds (2)	Herptiles (5)	
		Solitary Sandpiper	Four-toed Salamander	
		Louisiana Waterthrush	Blanchard's Cricket Frog	
			Pickerel Frog	
		Fish (1)	Wood Turtle	
		Redside Dace	Blanding's Turtle	
			Mammala (4)	
			Mammals (4)	
			Northern Long-eared Bat	
			Silver-haired Bat	
			Eastern Red Bat	
			Hoary Bat	

Table 3-35 continued

Community Group	Natural Communities that are Major Opportunities in the Western Coulee and Ridges Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Warmwater rivers	Birds (6)	Herptiles (4)
(cont.)		Great Egret	Blanchard's Cricket Frog
		Yellow-crowned Night-Heron	Pickerel Frog
		Canvasback	Wood Turtle
		Lesser Scaup	Midland Smooth Softshell
		Osprey	Turtle
		Bald Eagle	
			Mammals (5)
		Fish (13)	Northern Long-eared Bat
		Lake Sturgeon	Silver-haired Bat
		Paddlefish	Eastern Red Bat
		Goldeye	Hoary Bat
		Pallid Shiner	Blanding's Turtle
		Shoal Chub (Speckled Chub) Blue Sucker	
		Black Buffalo	
		River Redhorse	
		Starhead Topminnow	
		Crystal Darter	
		Western Sand Darter	
		Bluntnose Darter	
		Gilt Darter	

Table 3-36. Ecological Priority habitat-species opportunities within the Southwest Savanna

Community	cological Priority habitat-species oppo Natural Communities that are Major		t Conservation Need
Group	Opportunities in the Southwest		priority based on their
Group		_	-
0-1-0	Savanna Ecological Landscape		be combination scores
Oak Savanna	Oak Opening	Birds (8)	Herptiles (5)
		Northern Bobwhite	Blanding's Turtle
		Red-headed Woodpecker	Ornate Box Turtle
		Brown Thrasher	Ring-neck Snake
		Blue-winged Warbler	Bullsnake
		Field Sparrow	Timber Rattlesnake
		Vesper Sparrow	
		Henslow's Sparrow	Mammals (4)
		Eastern Meadowlark	Eastern Red Bat
			Franklin's Ground Squirrel
			Prairie Vole
			Woodland Vole
	Oak Woodland	Birds (3)	Mammals (4)
		Red-headed Woodpecker	Northern Long-eared Bat
		Wood Thrush	Eastern Red Bat
		Blue-winged Warbler	Franklin's Ground Squirrel
		3	Woodland Vole
		Herptiles (5)	
		Blanding's Turtle	
		Ornate Box Turtle	
		Ring-neck Snake	
		Bullsnake	
		Timber Rattlesnake	
Grassland	Dry Prairie	Birds (12)	Herptiles (6)
2.0000010	2., . 13	Northern Harrier	Blanding's Turtle
		Northern Bobwhite	Ornate Box Turtle
		Upland Sandpiper	Yellow-bellied Racer
		Short-eared Owl	Ring-neck Snake
		Brown Thrasher	Bullsnake
		Loggerhead Shrike	Timber Rattlesnake
		Bell's Vireo	
		Field Sparrow	Mammals (1)
		Vesper Sparrow	Prairie Vole
		Grasshopper Sparrow	1 141110 1010
		Eastern Meadowlark	
		Western Meadowlark	
		Westelli Meadowiaik	

Table 3-36 continued

Community Group	Natural Communities that are Major Opportunities in the Southwest Savanna Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Crasaland			
Grassland	Dry-Mesic Prairie	Birds (19)	Herptiles (8)
(cont.)		Blue-winged Teal	Franklin's Ground Squirrel
		Northern Harrier	Prairie Vole
		Northern Bobwhite	Blanding's Turtle
		American Golden Plover	Ornate Box Turtle
		Upland Sandpiper	Yellow-bellied Racer
		Buff-breasted Sandpiper	Ring-neck Snake
		Short-eared Owl	Bullsnake
		Willow Flycatcher	Timber Rattlesnake
		Brown Thrasher	
		Loggerhead Shrike	
		Bell's Vireo	
		Dickcissel	
		Field Sparrow	
		Vesper Sparrow	
		Grasshopper Sparrow	
		Henslow's Sparrow	
		Bobolink	
		Eastern Meadowlark	
		Western Meadowlark	
	Mesic Prairie	Birds (12)	Herptiles (3)
		Blue-winged Teal	Pickerel Frog
		Northern Harrier	Blanding's Turtle
		Northern Bobwhite	Bullsnake
		American Golden Plover	Timber Rattlesnake
		Upland Sandpiper	
		Short-eared Owl	Mammals (2)
		Willow Flycatcher	Franklin's Ground Squirrel
		Dickcissel	Prairie Vole
		Field Sparrow	
		Henslow's Sparrow	
		Bobolink	
		Eastern Meadowlark	

Table 3-36 continued

Community Group	Natural Communities that are Major Opportunities in the Southwest Savanna Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores		
Grassland	Surrogate Grasslands	Birds (18)	Mammals (2)	
(cont.)		Blue-winged Teal	Franklin's Ground Squirrel	
		Northern Harrier	Prairie Vole	
		Northern Bobwhite		
		American Golden Plover		
		Upland Sandpiper		
		Buff-breasted Sandpiper		
		Short-eared Owl		
		Willow Flycatcher		
		Brown Thrasher		
		Loggerhead Shrike		
		Bell's Vireo		
		Dickcissel		
		Field Sparrow		
		Grasshopper Sparrow		
		Henslow's Sparrow		
		Bobolink		
		Eastern Meadowlark		
		Western Meadowlark		
Aquatic	Warmwater streams	Birds (1)	Herptiles (3)	
		Solitary Sandpiper	Blanchard's Cricket Frog	
			Pickerel Frog	
		Fish (2)	Blanding's Turtle	
		Ozark Minnow		
		Slender Madtom	Mammals (2)	
			Northern Long-eared Bat	
			Eastern Red Bat	

Table 3-37. Ecological Priority habitat-species opportunities within the Central Sand Plains

Community	Natural Communities that are Major			
Group	Opportunities in the Central Sand			
	Plains Ecological Landscape		ape combination scores	
Northern	Northern Wet Forest	Birds (4)	Herptiles (3)	
Forest		Veery	Four-toed Salamander	
		Golden-winged Warbler	Pickerel Frog	
		Connecticut Warbler	Wood Turtle	
		Canada Warbler		
			Mammals (5)	
			Water Shrew	
			Silver-haired Bat	
			Eastern Red Bat	
			Hoary Bat	
			Gray Wolf	
Southern	Central Sands Pine – Oak Forest	Birds (2)	Mammals (5)	
Forest		Whip-poor-will	Northern Long-eared Bat	
		Red-headed Woodpecker	Silver-haired Bat	
			Eastern Red Bat	
		Herptiles (2)	Hoary Bat	
		Ring-neck Snake	Gray Wolf	
		Bullsnake		
	Floodplain Forest	Birds (13)	Herptiles (4)	
		Blue-winged Teal	Four-toed Salamander	
		Red-shouldered Hawk	Pickerel Frog	
		Solitary Sandpiper	Wood Turtle	
		Black-billed Cuckoo	Blanding's Turtle	
		Yellow-billed Cuckoo	Eastern Massasauga	
		Red-headed Woodpecker	Rattlesnake	
		Least Flycatcher	Mammals (6)	
		Veery Wood Thrush	Water Shrew	
		Blue-winged Warbler	Northern Long-eared Bat	
		Cerulean Warbler	Silver-haired Bat	
		Prothonotary Warbler	Eastern Red Bat	
		Rusty Blackbird	Hoary Bat	
			Gray Wolf	
	Southern Dry-Mesic Forest	Birds (9)	Herptiles (4)	
	202	Red-shouldered Hawk	Blanding's Turtle	
		Yellow-billed Cuckoo	Yellow-bellied Racer	
		Whip-poor-will	Ring-neck Snake	
			<u> </u>	
		Red-headed Woodpecker	Bullsnake	
		Veery		
		Wood Thrush	Mammals (3)	
		Blue-winged Warbler	Northern Long-eared Bat	
		Cerulean Warbler	Eastern Red Bat	
		Louisiana Waterthrush		
		Louisiana vvaterthrush	Gray Wolf	

Table 3-37 continued

Community	Natural Communities that are Major	Species of Greate	st Conservation Need
Group	Opportunities in the Central Sand		h priority based on their
Croup	Plains Ecological Landscape		ape combination scores
Southern	White Pine – Red Maple Swamp	Birds (4)	Mammals (4)
Forest	Writte Fille Red Maple Swamp	Northern Goshawk	Northern Long-eared Bat
(cont.)		Red-shouldered Hawk	Silver-haired Bat
(001111)		Veery	Eastern Red Bat
		Canada Warbler	Hoary Bat
Barrens	Oak Barrens	Birds (12)	Herptiles (7)
Darrens	Can Barrens	Northern Harrier	Wood Turtle
		Sharp-tailed Grouse	Blanding's Turtle
		Upland Sandpiper	Western Slender Glass
		Black-billed Cuckoo	Lizard
		Whip-poor-will	Yellow-bellied Racer
		Red-headed Woodpecker	Ring-neck Snake
		Brown Thrasher	Bullsnake
		Field Sparrow	Eastern Massasauga
		Vesper Sparrow	Rattlesnake
		Lark Sparrow	
		Grasshopper Sparrow	Mammals (5)
		Western Meadowlark	Northern Long-eared Bat
			Eastern Red Bat
			Franklin's Ground Squirrel
			Prairie Vole
			Gray Wolf
	Pine Barrens	Birds (11)	Herptiles (6)
		Northern Harrier	Wood Turtle
		Sharp-tailed Grouse	Blanding's Turtle
		Upland Sandpiper	Western Slender Glass
		Black-billed Cuckoo	Lizard
		Whip-poor-will	Yellow-bellied Racer
		Brown Thrasher	Bullsnake
		Connecticut Warbler	Eastern Massasauga
		Field Sparrow	Rattlesnake
		Vesper Sparrow	
		Lark Sparrow	Mammals (2)
		Red Crossbill	Franklin's Ground Squirrel
			Gray Wolf
Grassland	Sand Prairie	Birds (8)	Herptiles (7)
		Upland Sandpiper	Wood Turtle
		Brown Thrasher	Blanding's Turtle
		Field Sparrow	Western Slender Glass
		Vesper Sparrow	Lizard
		Lark Sparrow	Yellow-bellied Racer
		Grasshopper Sparrow	Ring-neck Snake
		Eastern Meadowlark	Bullsnake
		Western Meadowlark	Eastern Massasauga
			Mammals (3)
			White-tailed Jackrabbit
			Franklin's Ground Squirrel
			Prairie Vole

Table 3-37 continued

Com!!	Natural Cammunities that are \$5.1.	Consolina of Consolin	ot Componyation Novel
Community	Natural Communities that are Major		st Conservation Need
Group	Opportunities in the Central Sand	_	h priority based on their
0 1 1	Plains Ecological Landscape		ape combination scores
Grassland	Surrogate Grasslands	Birds (17)	Mammals (3)
(cont.)		Blue-winged Teal	White-tailed Jackrabbit
		Northern Harrier	Franklin's Ground Squirrel
		Greater Prairie-Chicken	Prairie Vole
		Sharp-tailed Grouse	
		American Golden Plover	
		Upland Sandpiper	
		Short-eared Owl	
		Willow Flycatcher	
		Brown Thrasher	
		Dickcissel	
		Field Sparrow	
		Grasshopper Sparrow	
		Henslow's Sparrow	
		Le Conte's Sparrow	
		Bobolink	
		Eastern Meadowlark	
		Western Meadowlark	
Wetland	Alder Thicket	Birds (6)	Herptiles (5)
VVCttaria	Audel Thores	American Woodcock	Four-toed Salamander
		Black-billed Cuckoo	Pickerel Frog
		Veery	Wood Turtle
		Golden-winged Warbler	Blanding's Turtle
		Canada Warbler	Eastern Massasauga
		Rusty Blackbird	Rattlesnake
		Trusty Blackbild	Nattiestiake
			Mammals (6)
			Water Shrew
			Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
			-
	Northarn Codes Manday	Dirdo (12)	Gray Wolf
	Northern Sedge Meadow	Birds (12)	Herptiles (4)
		American Bittern	Four-toed Salamander
		Blue-winged Teal	Pickerel Frog
		Northern Harrier	Wood Turtle
		Greater Prairie-Chicken	Blanding's Turtle
		Sharp-tailed Grouse	Managara (A)
		Yellow Rail	Mammals (4)
		Whooping Crane	Northern Long-eared Bat
		Wilson's Phalarope	Silver-haired Bat
		Black Tern	Eastern Red Bat
		Short-eared Owl	Hoary Bat
		Le Conte's Sparrow	
		Bobolink	

Table 3-37 continued

Community	Natural Communities that are Major	Species of Greate	st Conservation Need
Group	Opportunities in the Central Sand		h priority based on their
Огоар	Plains Ecological Landscape	_	ape combination scores
Wetland	Open Bog	Birds (11)	Herptiles (3)
(cont.)	Орен вод	American Bittern	Four-toed Salamander
(00111.)		Northern Harrier	Pickerel Frog
		Yellow Rail	Eastern Massasauga
		Whooping Crane	Rattlesnake
		Solitary Sandpiper	Nattiestiake
		Golden-winged Warbler	Mammals (5)
		Connecticut Warbler	Northern Long-eared Bat
		Henslow's Sparrow	Silver-haired Bat
		Le Conte's Sparrow	Eastern Red Bat
		Bobolink	Hoary Bat
		Rusty Blackbird	Gray Wolf
	Shrub Carr	Birds (9)	Herptiles (5)
	Siliub Cali	American Woodcock	Four-toed Salamander
		Black-billed Cuckoo	Pickerel Frog
		Yellow-billed Cuckoo	Wood Turtle
		Short-eared Owl	Blanding's Turtle
			_
		Willow Flycatcher	Eastern Massasauga Rattlesnake
		Veery	Nattiestiake
		Blue-winged Warbler	14 · · · · · · · · · · · · · · · · · · ·
		Golden-winged Warbler	Mammals (5)
		Rusty Blackbird	Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
			Gray Wolf
Aquatic	Impoundments/Reservoirs	Birds (10)	Fish (1)
		Trumpeter Swan	Lake Sturgeon
		Blue-winged Teal	
		Canvasback	Herptiles (3)
		Lesser Scaup	Mudpuppy
		Osprey	Pickerel Frog
		Bald Eagle	Blanding's Turtle
		American Golden Plover	
		Dunlin	
		Short-billed Dowitcher	
		Black Tern	
Miscellaneous	Dry Cliff	Herptiles (2)	
Communities		Yellow-bellied Racer	
		Bullsnake	

Table 3-38. Ecological Priority habitat-species opportunities within the Central Sand Hills

Community Group	Natural Communities that are Major Opportunities in the Central Sand	d determined to be high priority based on thei	
	Hills Ecological Landscape	Community-Landscap	pe combination scores
Northern Forest	Northern Wet Forest	Birds (2) Veery Golden-winged Warbler	Mammals (5) Water Shrew Silver-haired Bat Eastern Red Bat
		Herptiles (2) Four-toed Salamander Pickerel Frog	Hoary Bat Gray Wolf
Southern Forest	Central Sands Pine – Oak Forest	Birds (2) Whip-poor-will Red-headed Woodpecker Herptiles (2) Ornate Box Turtle Bullsnake	Mammals (5) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat Gray Wolf
	Southern Dry Forest	Birds (4) Whip-poor-will Red-headed Woodpecker Wood Thrush Blue-winged Warbler	Herptiles (3) Ornate Box Turtle Yellow-bellied Racer Bullsnake Mammals (3) Northern Long-eared Bat Eastern Red Bat Gray Wolf
Grassland	Wet-Mesic Prairie	Birds (12) Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Short-eared Owl Willow Flycatcher Field Sparrow Henslow's Sparrow Le Conte's Sparrow Bobolink Eastern Meadowlark	Herptiles (2) Pickerel Frog Blanding's Turtle Mammals (1) Franklin's Ground Squirrel
Wetland	Calcareous Fen	Birds (3) American Woodcock Willow Flycatcher Rusty Blackbird Herptiles (1) Pickerel Frog	Mammals (4) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat

Table 3-38 continued

	In.,	0	Table 3-38 continued
Croup	Natural Communities that are Major		st Conservation Need
Group	Opportunities in the Central Sand		h priority based on their
\\/atlanal	Hills Ecological Landscape		ape combination scores
Wetland	Coastal Plain Marsh	Birds (1)	Mammals (4)
(cont.)		Solitary Sandpiper	Northern Long-eared Bat
		4	Silver-haired Bat
		Herptiles (1)	Eastern Red Bat
		Blanding's Turtle	Hoary Bat
	Southern Sedge Meadow	Birds (8)	Herptiles (3)
		American Bittern	Four-toed Salamander
		Blue-winged Teal	Pickerel Frog
		Northern Harrier	Blanding's Turtle
		Whooping Crane	
		Short-eared Owl	Mammals (4)
		Willow Flycatcher	Northern Long-eared Bat
		Bobolink	Silver-haired Bat
		Eastern Meadowlark	Eastern Red Bat
			Hoary Bat
	Emergent Aquatic	Birds (11)	Herptiles (3)
		American Bittern	Four-toed Salamander
		Blue-winged Teal	Pickerel Frog
		Whooping Crane	Blanding's Turtle
		American Golden Plover	G
		Solitary Sandpiper	Mammals (4)
		Hudsonian Godwit	Northern Long-eared Bat
		Dunlin	Silver-haired Bat
		Short-billed Dowitcher	Eastern Red Bat
		Forster's Tern	Hoary Bat
		Black Tern	,
		Rusty Blackbird	
	Shrub Carr	Birds (9)	Herptiles (3)
	J	American Woodcock	Four-toed Salamander
		Black-billed Cuckoo	Pickerel Frog
		Yellow-billed Cuckoo	Blanding's Turtle
		Short-eared Owl	
		Willow Flycatcher	Mammals (5)
		Veery	Northern Long-eared Bat
		Blue-winged Warbler	Silver-haired Bat
		Golden-winged Warbler	Eastern Red Bat
		Rusty Blackbird	Hoary Bat
		. tacty Diaonolia	Gray Wolf
Aquatic	Impoundments/Reservoirs	Birds (8)	Fish (2)
Aqualic	impoundments/iveservoirs	Blue-winged Teal	Lake Sturgeon
			Black Buffalo
		Osprey	DIACK DUITAIU
		Bald Eagle American Golden Plover	Horntilos (2)
			Herptiles (2)
		Dunlin Short billed Dowitcher	Pickerel Frog
		Short-billed Dowitcher	Blanding's Turtle
		Forster's Tern	
		Black Tern	

Table 3-38 continued

Community Group	Natural Communities that are Major Opportunities in the Central Sand Hills Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Aquatic	Inland lakes	Birds (4)	Herptiles (2)
(cont.)		Blue-winged Teal	Pickerel Frog
		Osprey	Blanding's Turtle
		Bald Eagle	
		Black Tern	<i>Mammals (5)</i> Water Shrew
		Fish (3)	Northern Long-eared Bat
		Lake Sturgeon	Silver-haired Bat
		Banded Killifish	Eastern Red Bat
		Least Darter	Hoary Bat
	Warmwater rivers	Birds (3)	Herptiles (3)
		Osprey	Pickerel Frog
		Bald Eagle	Blanding's Turtle
		Dunlin	Midland Smooth Softshell Turtle
		Fish (6)	
		Lake Sturgeon	Mammals (4)
		Paddlefish	Northern Long-eared Bat
		Shoal Chub (Speckled	Silver-haired Bat
		Chub)	Eastern Red Bat
		Black Buffalo	Hoary Bat
		Western Sand Darter	
		Least Darter	
	Coldwater streams	Birds (1)	Mammals (5)
		Solitary Sandpiper	Water Shrew
			Northern Long-eared Bat
		Herptiles (3)	Silver-haired Bat
		Four-toed Salamander	Eastern Red Bat
		Pickerel Frog	Hoary Bat
		Blanding's Turtle	

Table 3-39. Ecological Priority habitat-species opportunities within the Southeast Glacial Plain

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	determined to be high priority based on their Community-Landscape combination scores	
Northern Forest	Northern Dry-Mesic Forest	Birds (5) Acadian Flycatcher Wood Thrush Cerulean Warbler Louisiana Waterthrush Hooded Warbler	Herptiles (1) Ornate Box Turtle
	Northern Hardwood Swamp	Birds (4) American Woodcock Least Flycatcher Veery Golden-winged Warbler Herptiles (1) Four-toed Salamander	Mammals (4) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat
Southern Forest	Southern Dry Forest	Birds (4) Whip-poor-will Red-headed Woodpecker Wood Thrush Blue-winged Warbler	Herptiles (1) Yellow-bellied Racer Mammals (3) Northern Long-eared Bat Eastern Red Bat Woodland Vole
	Southern Dry-Mesic Forest	Birds (7) Red-shouldered Hawk Yellow-billed Cuckoo Whip-poor-will Red-headed Woodpecker Veery Blue-winged Warbler Yellow-throated Warbler	Herptiles (2) Blanding's Turtle Yellow-bellied Racer Mammals (3) Northern Long-eared Bat Eastern Red Bat Woodland Vole
	Southern Hardwood Swamp	Birds (2) Yellow-crowned Night- Heron Yellow-billed Cuckoo	Herptiles (3) Pickerel Frog Blanding's Turtle Eastern Massasauga Rattlesnake Mammals (2) Northern Long-eared Bat Eastern Red Bat

Table 3-39 continued

Community	Natural Communities that are Major	Species of Greatest Conservation Need		
Group	Opportunities in the Southeast	determined to be high priority based on their		
Croup	Glacial Plains Ecological Landscape		pe combination scores	
Southern	Floodplain Forest	Birds (16)	Herptiles (5)	
Forest	1 loodplain 1 orest	Yellow-crowned Night-	Four-toed Salamander	
(cont.)		Heron	Pickerel Frog	
(COIII.)			S .	
		Blue-winged Teal	Blanding's Turtle	
		Red-shouldered Hawk	Butler's Garter Snake	
		Solitary Sandpiper	Eastern Massasauga	
		Black-billed Cuckoo	Rattlesnake	
		Yellow-billed Cuckoo		
		Red-headed Woodpecker	Mammals (4)	
		Acadian Flycatcher	Northern Long-eared Bat	
		Least Flycatcher	Silver-haired Bat	
		Veery	Eastern Red Bat	
		Wood Thrush	Hoary Bat	
		Blue-winged Warbler		
		Yellow-throated Warbler		
		Prothonotary Warbler		
		Cerulean Warbler		
		Rusty Blackbird		
	Southern Tamarack Swamp	Birds (4)	Herptiles (2)	
	'	American Woodcock	Four-toed Salamander	
		Black-billed Cuckoo	Blanding's Turtle	
		Blue-winged Warbler	3	
		Rusty Blackbird		
Oak Savanna	Oak Opening	Birds (8)	Herptiles (2)	
		Northern Bobwhite	Blanding's Turtle	
		Red-headed Woodpecker	Ornate Box Turtle	
		Brown Thrasher		
		Blue-winged Warbler	Mammals (4)	
		Field Sparrow	Eastern Red Bat	
		Vesper Sparrow	Franklin's Ground Squirrel	
		Henslow's Sparrow	Prairie Vole	
		Eastern Meadowlark	Woodland Vole	
	Oak Woodland	Birds (5)	Herptiles (2)	
		Whip-poor-will	Blanding's Turtle	
		Red-headed Woodpecker Wood Thrush	Ornate Box Turtle	
		Blue-winged Warbler	Mammals (4)	
		Cerulean Warbler	Northern Long-eared Bat	
			Eastern Red Bat	
			Franklin's Ground Squirrel	
			Woodland Vole	

Table 3-39 continued

Community	Natural Communities that are Major	Species of Greatest Conservation Need	
Group	Opportunities in the Southeast Glacial Plains Ecological Landscape		priority based on their pe combination scores
Grassland	Dry Prairie	Birds (13) Northern Harrier Northern Bobwhite Upland Sandpiper Short-eared Owl Brown Thrasher Loggerhead Shrike	Herptiles (4) Blanding's Turtle Ornate Box Turtle Yellow-bellied Racer Eastern Massasauga Rattlesnake
		Bell's Vireo Field Sparrow Vesper Sparrow Lark Sparrow Grasshopper Sparrow Eastern Meadowlark Western Meadowlark	<i>Mammals (1)</i> Prairie Vole
	Dry-Mesic Prairie	Birds (20) Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Marbled Godwit Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Brown Thrasher Loggerhead Shrike Bell's Vireo Dickcissel Field Sparrow Vesper Sparrow Grasshopper Sparrow Henslow's Sparrow Bobolink Eastern Meadowlark	Herptiles (5) Blanding's Turtle Ornate Box Turtle Yellow-bellied Racer Butler's Garter Snake Eastern Massasauga Rattlesnake Mammals (2) Franklin's Ground Squirrel Prairie Vole

Table 3-39 continued

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland	Mesic Prairie	Birds (13)	Herptiles (4)
(cont.)		Blue-winged Teal	Pickerel Frog
		Northern Harrier	Blanding's Turtle
		Northern Bobwhite	Butler's Garter Snake
		American Golden Plover	Eastern Massasauga
		Upland Sandpiper	Rattlesnake
		Marbled Godwit	
		Short-eared Owl	Mammals (2)
		Willow Flycatcher	Franklin's Ground Squirrel
		Dickcissel	Prairie Vole
		Field Sparrow	
		Henslow's Sparrow	
		Bobolink	
		Eastern Meadowlark	
	Surrogate Grasslands	Birds (19)	Mammals (2)
		Blue-winged Teal	Franklin's Ground Squirrel
		Northern Harrier	Prairie Vole
		Northern Bobwhite	
		American Golden Plover	
		Upland Sandpiper Marbled Godwit	
		Buff-breasted Sandpiper Short-eared Owl	
		Willow Flycatcher Brown Thrasher	
		Loggerhead Shrike	
		Bell's Vireo	
		Dickcissel	
		Field Sparrow	
		Grasshopper Sparrow	
		Henslow's Sparrow	
		Bobolink	
		Eastern Meadowlark	
		Western Meadowlark	

Table 3-39 continued

Community Group	Natural Communities that are Major Opportunities in the Southeast	Species of Greatest Conservation Need determined to be high priority based on their		
O. Gup	Glacial Plains Ecological Landscape	Community-Landscap		
Grassland (cont.)	Wet-Mesic Prairie	Birds (14) Blue-winged Teal Northern Harrier Northern Bobwhite American Golden Plover Upland Sandpiper Marbled Godwit Buff-breasted Sandpiper Short-eared Owl Willow Flycatcher Bell's Vireo Field Sparrow	Herptiles (4) Pickerel Frog Blanding's Turtle Butler's Garter Snake Eastern Massasauga Rattlesnake Mammals (1) Franklin's Ground Squirrel	
Wetland	Pog Poliet	Henslow's Sparrow Bobolink Eastern Meadowlark	Harntilas (2)	
welland	Bog Relict	Birds (5) American Woodcock Whip-poor-will Willow Flycatcher Blue-winged Warbler	Herptiles (2) Four-toed Salamander Northern Ribbon Snake Mammals (4)	
		Rusty Blackbird	Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat	
	Calcareous Fen	Birds (3) American Woodcock Willow Flycatcher Rusty Blackbird Herptiles (3) Pickerel Frog Butler's Garter Snake Eastern Massasauga Rattlesnake	Mammals (4) Northern Long-eared Bat Silver-haired Bat Eastern Red Bat Hoary Bat	

Table 3-39 continued

Community	Natural Communities that are Major	or Species of Greatest Conservation Need		
Group	Opportunities in the Southeast	determined to be high p		
Group	Glacial Plains Ecological Landscape	Community-Landscape		
Wetland	Emergent Aquatic	Birds (20)	Herptiles (6)	
(cont.)	Emergent / iquatio	Red-necked Grebe	Four-toed Salamander	
(55)		American Bittern	Pickerel Frog	
		Snowy Egret	Blanding's Turtle	
		Yellow-crowned Night-Heron		
		Blue-winged Teal	Butler's Garter Snake	
		Redhead	Eastern Massasauga	
		King Rail	Rattlesnake	
		Whooping Crane	. tatti sarta	
		American Golden Plover	Mammals (4)	
		Solitary Sandpiper	Northern Long-eared	
		Whimbrel	Bat	
		Hudsonian Godwit	Silver-haired Bat	
		Marbled Godwit	Eastern Red Bat	
		Dunlin	Hoary Bat	
		Buff-breasted Sandpiper	•	
		Short-billed Dowitcher		
		Common Tern		
		Forster's Tern		
		Black Tern		
		Rusty Blackbird		
	Shrub Carr	Birds (11)	Herptiles (5)	
		Yellow-crowned Night-Heron	Four-toed Salamander	
		American Woodcock	Pickerel Frog	
		Black-billed Cuckoo	Blanding's Turtle	
		Yellow-billed Cuckoo	Queen Snake	
		Short-eared Owl	Butler's Garter Snake	
		Willow Flycatcher	Northern Ribbon Snake	
		Veery	Eastern Massasauga	
		Bell's Vireo	Rattlesnake	
		Blue-winged Warbler		
		Golden-winged Warbler	Mammals (4)	
		Rusty Blackbird	Northern Long-eared Bat	
			Silver-haired Bat	
			Eastern Red Bat	
			Hoary Bat	

Table 3-39 continued

Community	Natural Communities that are Major	Species of Greatest (Conservation Mood
Group	Opportunities in the Southeast	determined to be high p	
Group	Glacial Plains Ecological Landscape	Community-Landscape	
Wetland	Southern Sedge Meadow	Birds (9)	Herptiles (6)
(cont.)	Southern Seage Meadow	American Bittern	Four-toed Salamander
(60111.)		Blue-winged Teal	Pickerel Frog
		Northern Harrier	Blanding's Turtle
		King Rail	Queen Snake
		Whooping Crane	Butler's Garter Snake
		Short-eared Owl	
		Willow Flycatcher	Eastern Massasauga Rattlesnake
		•	Rattiestiake
		Bobolink Eastern Meadowlark	Mommolo (4)
		Eastern weadowiark	Mammals (4)
			Northern Long-eared Bat
			Silver-haired Bat
			Eastern Red Bat
			Hoary Bat
Aquatic	Impoundments/Reservoirs	Birds (8)	Fish (4)
1		Blue-winged Teal	Lake Sturgeon
		Canvasback	Redfin Shiner
		Lesser Scaup	Black Buffalo
		American Golden Plover	Greater Redhorse
		Dunlin	
		Short-billed Dowitcher	Herptiles (4)
		Forster's Tern	Mudpuppy
		Black Tern	Pickerel Frog
			Blanding's Turtle
			Queen Snake
	Inland lakes	Birds (4)	Herptiles (5)
		Blue-winged Teal	Mudpuppy
		Canvasback	Pickerel Frog
		Lesser Scaup	Blanding's Turtle
		Black Tern	Queen Snake
			Northern Ribbon Snake
		Fish (8)	
		Lake Sturgeon	Mammals (4)
		Pugnose Shiner	Northern Long-eared
		Lake Chubsucker	Bat
		Greater Redhorse	Silver-haired Bat
		Banded Killifish	Eastern Red Bat
		Starhead Topminnow	Hoary Bat
		Longear Sunfish	
		Least Darter	

Table 3-39 continued

Community Group	Natural Communities that are Major Opportunities in the Southeast Glacial Plains Ecological Landscape	determined to be high priority based on their	
Aquatic	Warmwater rivers	Birds (4)	Herptiles (4)
(cont.)		Yellow-crowned Night-Heron	Mudpuppy
		Canvasback	Pickerel Frog
		Lesser Scaup	Blanding's Turtle
		Dunlin	Queen Snake
		Fish (10)	Mammals (4)
		Lake Sturgeon	Northern Long-eared
		Gravel Chub	Bat
		Redfin Shiner	Silver-haired Bat
		Black Buffalo	Eastern Red Bat
		River Redhorse	Hoary Bat
		Greater Redhorse	
		Starhead Topminnow	
		Longear Sunfish	
		Western Sand Darter	
		Least Darter	
	Warmwater streams	Birds (1)	Herptiles (3)
		Solitary Sandpiper	Pickerel Frog
			Blanding's Turtle
		Fish (9)	Queen Snake
		Redside Dace	
		Pugnose Shiner	Mammals (4)
		Ozark Minnow	Northern Long-eared
		Redfin Shiner	Bat
		Greater Redhorse	Silver-haired Bat
		Slender Madtom	Eastern Red Bat
		Starhead Topminnow	Hoary Bat
		Longear Sunfish	
		Least Darter	
Miscellaneous	Dry Cliff	Herptiles (1)	
Communities	-	Yellow-bellied Racer	

Table 3-40. Ecological Priority habitat-species opportunities within the Southern Lake Michigan Coastal

Community Group	Natural Communities that are Major Opportunities in the Southern Lake Michigan Coastal Ecological Landscape	Species of Greatest Conservation Need determined to be high priority based on their Community-Landscape combination scores	
Grassland	Wet-Mesic Prairie	Birds (11)	Herptiles (3)
		Blue-winged Teal	Blanding's Turtle
		Northern Harrier	Butler's Garter Snake
		Marbled Godwit	Eastern Massasauga
		Buff-breasted Sandpiper	Rattlesnake
		Short-eared Owl	
		Willow Flycatcher	Mammals (1)
		Bell's Vireo	Franklin's Ground Squirrel
		Field Sparrow	
		Henslow's Sparrow	
		Bobolink	
		Eastern Meadowlark	
Aquatic	Lake Michigan	Birds (1)	Herptiles (1)
		Horned Grebe	Mudpuppy
		Fig. (2)	
		Fish (2)	
		Lake Sturgeon	
	\M/= ======	Greater Redhorse	11 (il (0)
	Warmwater streams	Birds (1)	Herptiles (2)
		Solitary Sandpiper	Blanding's Turtle Queen Snake
		Fish (1)	Queen Snake
		Fish (1)	
		Greater Redhorse	